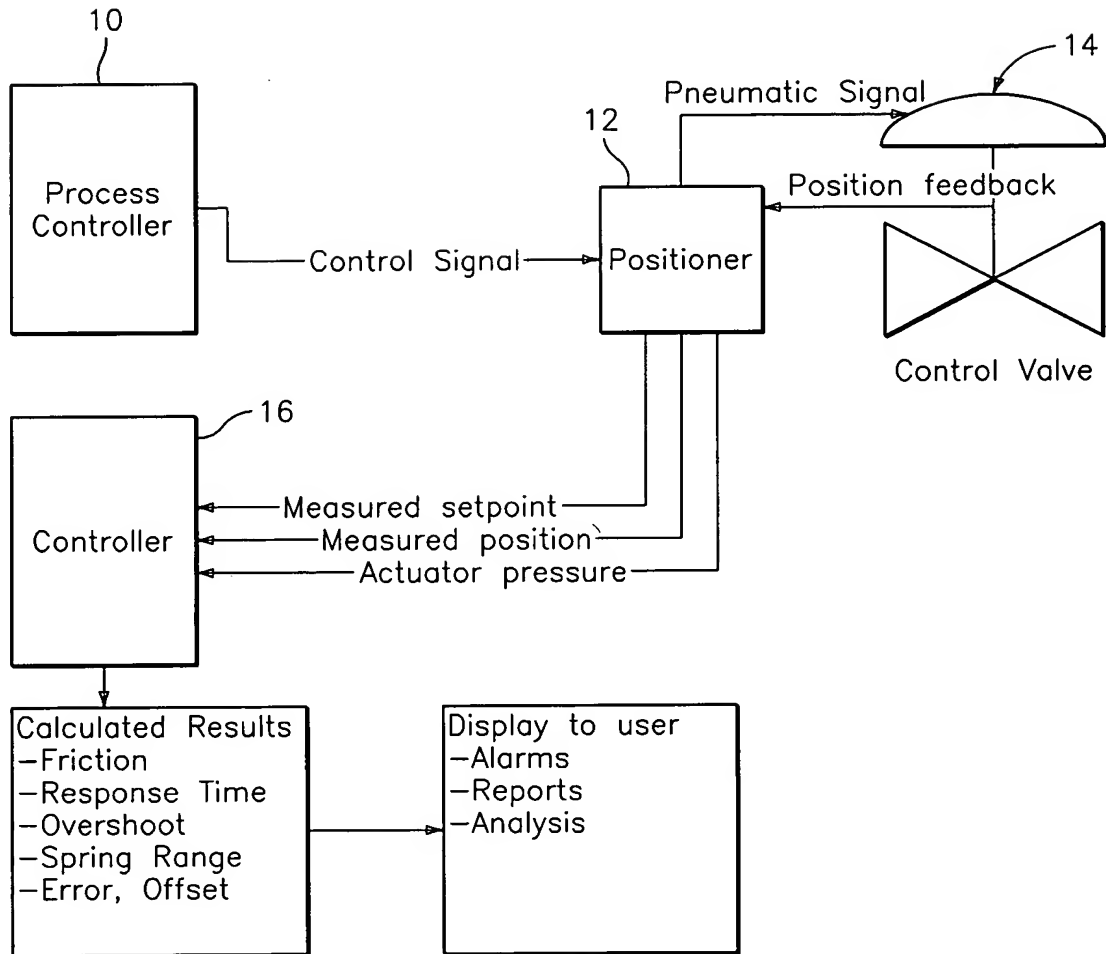




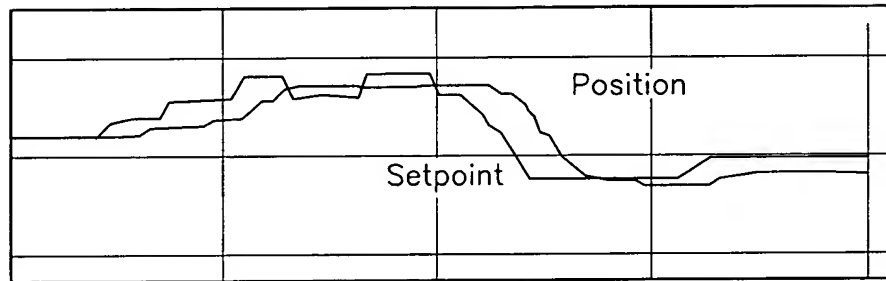
1/7



*FIG. 1*

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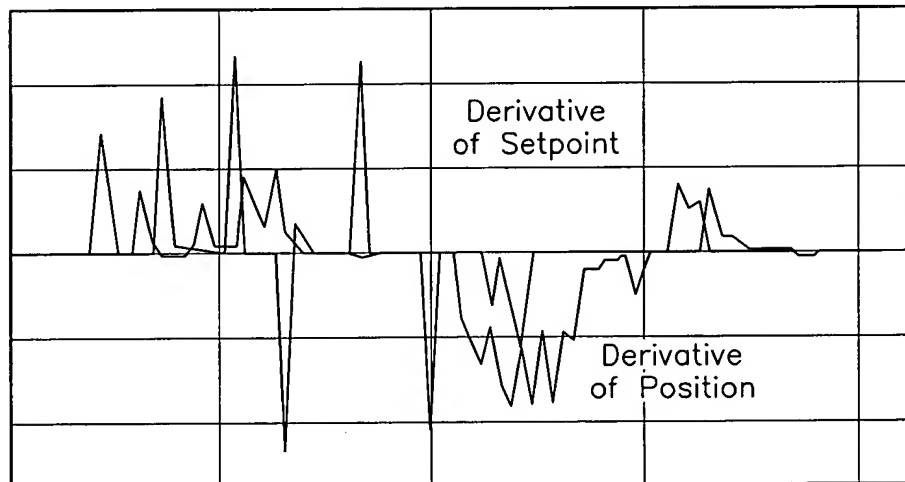
Step Response Estimation – Wavelet Technique



*FIG. 2A*

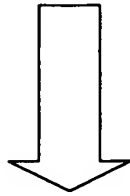


Take the derivative

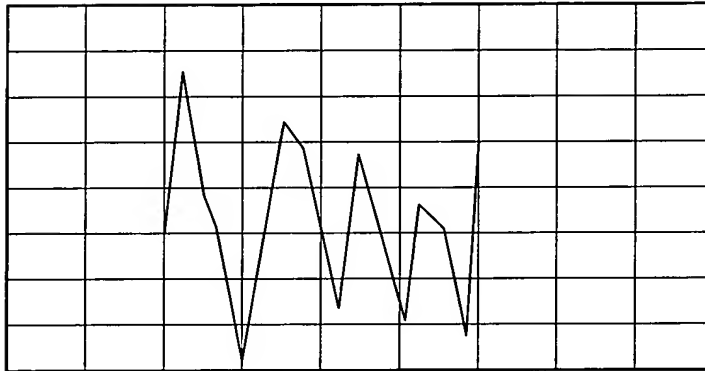


*FIG. 2B*

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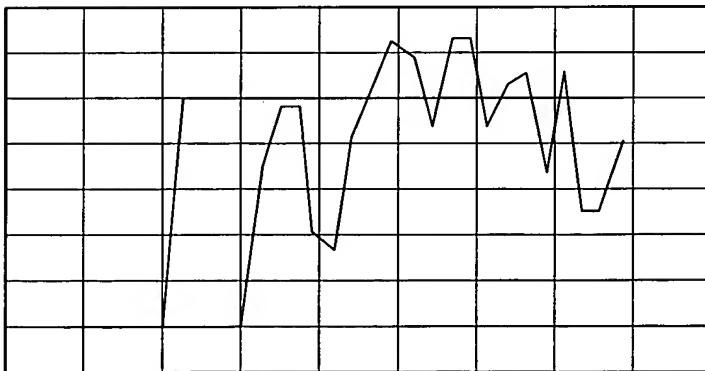
Solve the matrix  
for  $\omega$ , the wavelet



*FIG. 2C*



Convolve the wavelet with a unit  
impulse (same as integrating)



Step Response Estimate

*FIG. 2D*

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Step Response Estimate – Model Fit

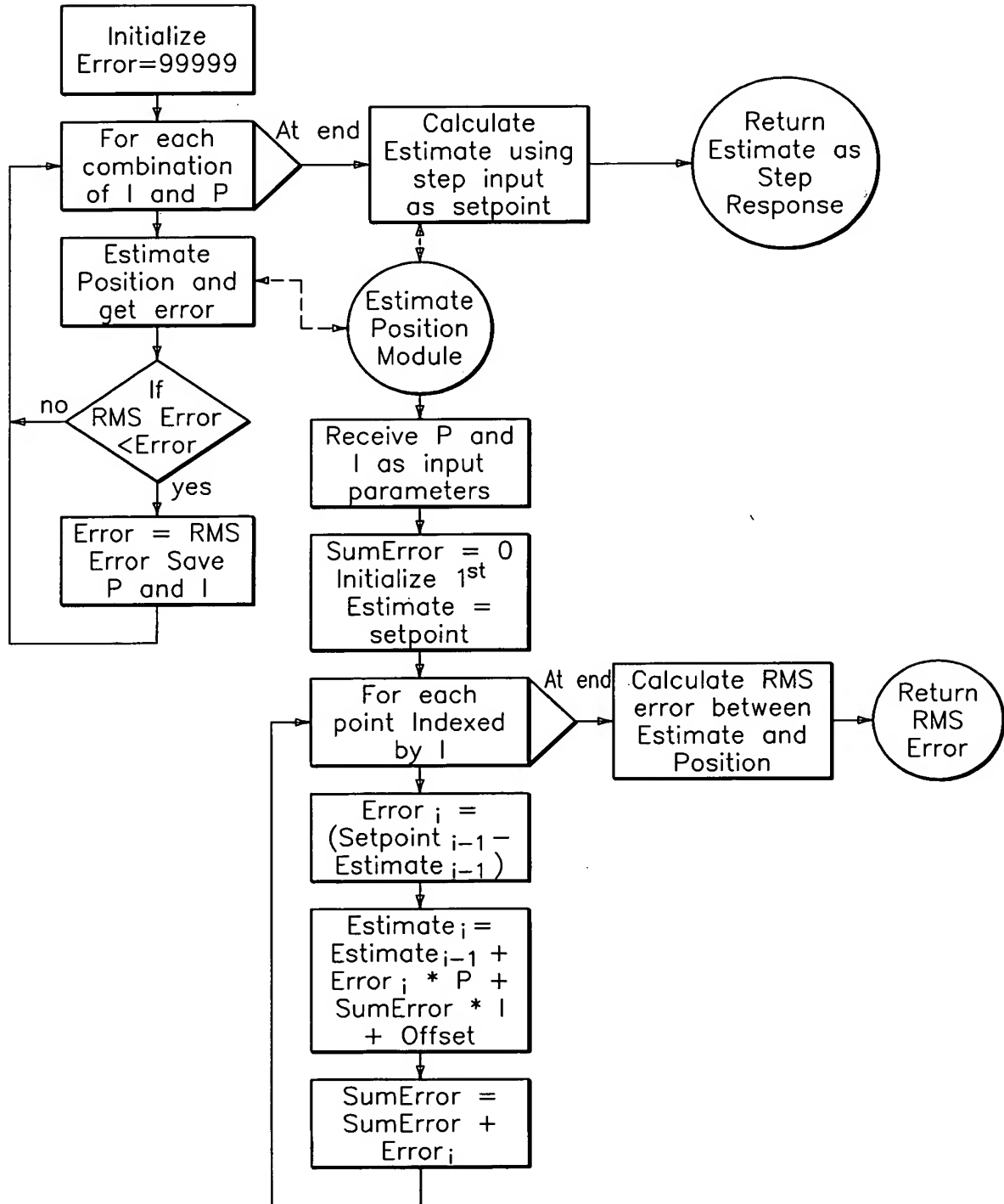
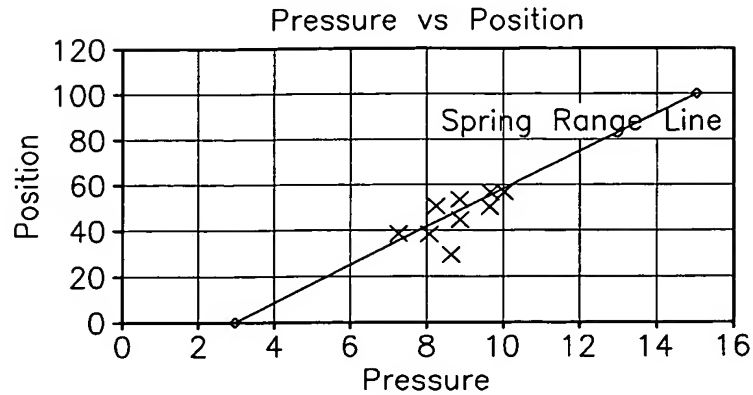
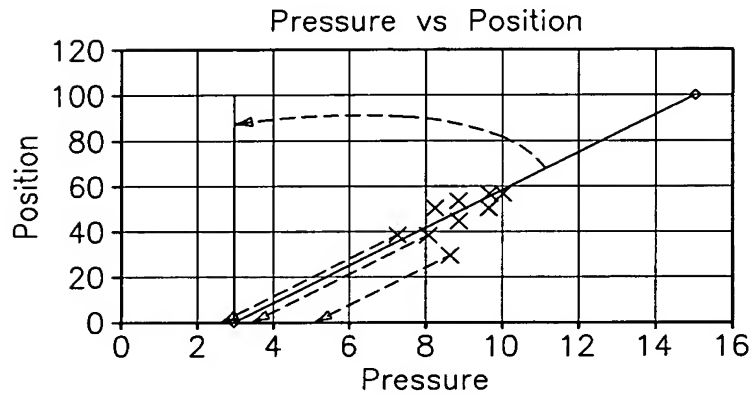


FIG. 3

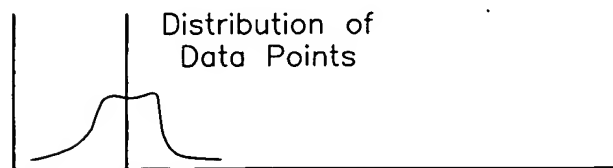
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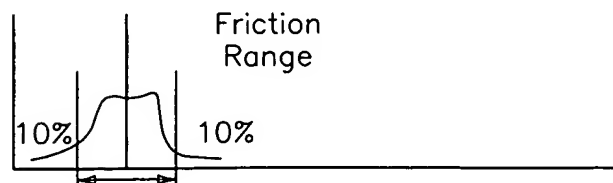
**FIG. 4A**



**FIG. 4B**

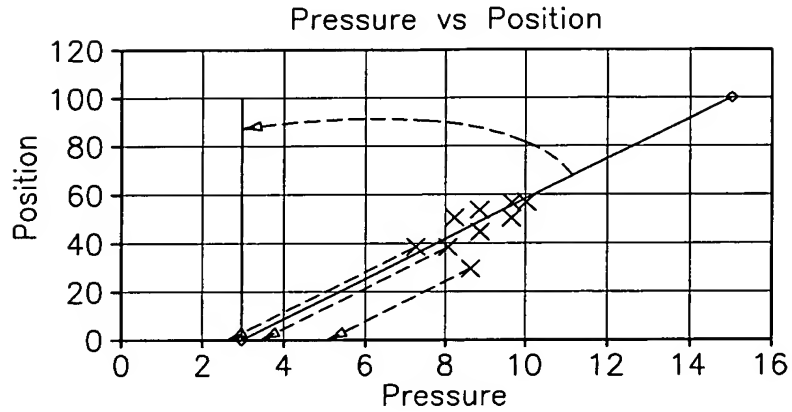


**FIG. 4C**

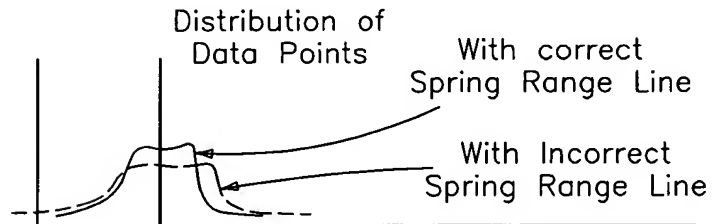


**FIG. 4D**

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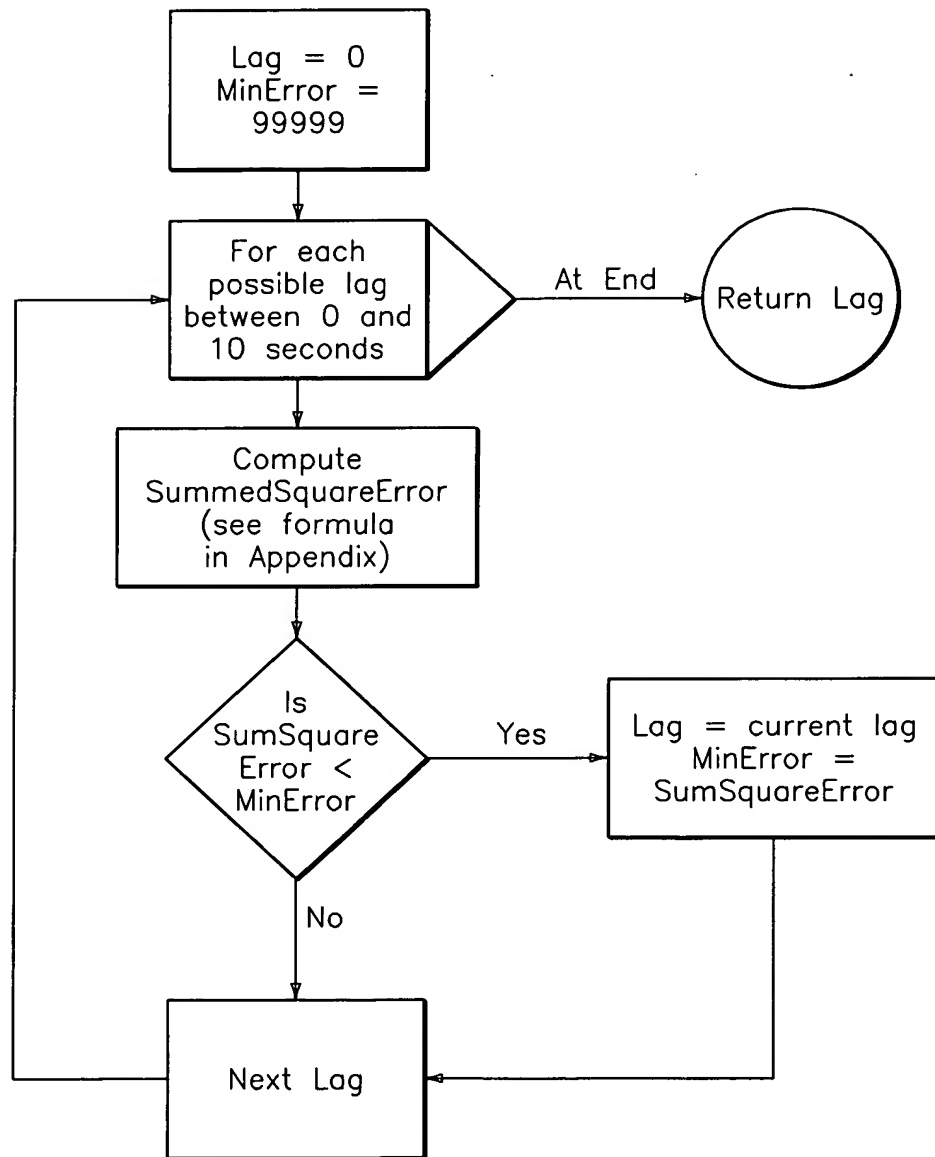


*FIG. 5A*



*FIG. 5B*

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**FIG. 6**